

Flexible, water and dirt-repellent joints

Servoperl Royal

- Universal formula for walls and floors
- high mechanical durability and abrasion resistance
- for interior, exterior and submerged applications
- crack and shrink resistant
- mold and mildew resistant
- colour accurate and resistant to efflorescence
- for 1-10 mm joint widths
- increased resistance to acids and alkaline solutions
- high resistance to household cleaning agents
- water and dirt repellent (hydrophobic)
- doesn't require sealer
- safe usage at low temperatures
- suitable for floor heating
- for absorbent coverings
- photocatalytic
- fast setting, open to light traffic after 6 hours
- residential and commercial application

Product description

High-strength, specialty cement-based grout for joint widths from 1-10 mm. Due to a highly dense mortar structure, this cement-based grout provides particular characteristics regarding its mechanical durability and abrasion resistance. Special cements provide a substantially higher resistance to chemical cleaning agents compared to that of conventional cement grouts. This makes them suitable for use in coordination with the respective object users and cleaning agent suppliers.

Due to their superb processing characteristics and the fast setting process, washing- out of the joints is avoided.

Servoperl royal can be used in interior, exterior and submersible applications. It is suitable for grouting ceramic surfaces, in particular stoneware, earthenware and porcelain stoneware in damp and wet areas, as well as heating screeds or drywall dividing walls and areas subjected to heavy use.

Processing

Check the suitability of the surface and also the surface manufacturer's instructions. To ensure the uniform colour of the joint, use only material from one batch. Before starting washing, grout must be almost entirely dry, and the joints clean and uniform in depth.

With clean, cold water, mix **Servoperl Royal** to a smooth, paste-like consistency to a uniform colour. Remove any foreign material and spacers from the grout joint. Fill in the joints firstly transversely and then diagonally, completely filling them. As soon as the joints start to dry, wipe with a sponge, using as little water as possible. Sufficient strength has been achieved when the grout can be slightly depressed with a fingernail. Also using a sponge, remove any extra grout traces/film still remaining within an hour. Do not dust off while in a wet state. Any leftover material which has already thickened must not be re-mixed. Avoid direct sun and draughts during the setting process. It is recommended that freshly grouted outdoor areas, or non-absorbent coating materials, be covered with a plastic poly and kept damp where necessary.

Note: Servoperl Royal may scratch soft polished marble, glass or metal tile. Follow tile manufacture/ fabricator recommendations or test a small area prior to use to determine suitability.

Technical properties

Colour	white, silver-grey, light-grey, medium grey, pergamon, sahara, anthracite, slate, shadow, desert sand, safari sand, mochaccino, jasmine, topaz, manhattan, creamy yellow, red, blue, green
Areas of application	interior, exterior and submerged** areas
Joint width	1-10 mm / 1/32"-3/8"
Application temperature	+5°C to +25°C (substructure) 41F-77F
Temperature tolerance	-20°C to +80°C / -4F-176F
Water ratio	approx. 1.2 litres / 5 kg powder / 0.31 US gal per 11 Lbs
Processing time*	approx. 45 minutes
Can be walked on*	after approx. 6 hours
Labelling according to GefStoffV (hazardous substances regulations)	Xi - irritant
GISCODE	ZP 1 - low in chromate according to TRGS 613
Storage	Store under dry conditions, can be stored for approx. 6 months

* At +20°C and 65 % rel. humidity.
Higher temperatures shorten and lower temperatures lengthen these values accordingly.

**contact Kiesel technical department for further information

Important information

To avoid staining, please observe the following:

Low temperatures delay the setting process of the mixture, which can lead to discolouration. As a result of humidity from the substructure, efflorescence and staining can occur. Subsequent treatment of the set joint by scrubbing and cleaning with extremely diluted, acidic cleaning agents has proven to be effective. Water should be applied to the joint beforehand. On walls, work from top to bottom, and on floors, puddles should be avoided. **Servoperl royal** is a cement-based product and is therefore not absolutely resistant to aggressive cleaning agents and to water with high chlorine content.

Consumption

Approx. 0.35 kg/m² for 15 cm x 15 cm tiles

Approx. 0.50 kg/m² for 10 cm x 10 cm mosaic

approx. 1.00 kg/m² for 5 cm x 5 cm mosaic

Cleaning

Immediately clean tools with water after use.